

Morbidity and Mortality

Vol. 17, No. 7

WEEKLY
REPORTWeek Ending
February 17, 1968

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

BUREAU OF DISEASE PREVENTION AND ENVIRONMENTAL CONTROL

CURRENT TRENDS INFLUENZA

Over the past 7 weeks, a sharp rise and fall in excess mortality has been observed for the United States as a whole (Figure 1), and for nearly all the nine geographic divisions (Figure 2). During the seventh week of 1968, however, there was no excess pneumonia-influenza mortality for the country as a whole.

The Hawaii State Health Department laboratory has made three isolations of influenza B virus. To date, one of these isolates has been confirmed by NCDC, and tests on the other two isolates are in progress. The earliest isolation was made in mid-December 1967. This is consistent with known influenza B activity in Taiwan (MMWR,

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Vol. 17, No. 3) and in the Fiji Islands in late November and early December 1967.

(Reported by the Bureau of Diseases Unit, Viral Diseases Section, NCDC.)

TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Totals include revised and delayed reports)

DISEASE	7th WEEK ENDED		MEDIAN 1963 - 1967	CUMULATIVE, FIRST 7 WEEKS		
	FEBRUARY 17, 1968	FEBRUARY 18, 1967		1968	1967	MEDIAN 1963 - 1967
Aseptic meningitis	28	27	21	185	197	181
Brucellosis	1	7	5	6	23	39
Diphtheria	—	6	3	12	22	22
Encephalitis, primary:						
Arthropod-borne & unspecified	17	20	—	99	147	—
Encephalitis, post-infectious	8	10	—	58	68	—
Hepatitis, serum	60	44	—	453	252	—
Hepatitis, infectious	810	866	910	5,544	5,363	5,620
Malaria	29	34	2	306	228	15
Measles (rubeola)	537	2,246	9,350	3,539	13,292	47,713
Meningococcal infections, total	80	64	64	574	410	410
Civilian	76	62	—	545	384	—
Military	4	2	—	29	26	—
Mumps	4,836	—	—	32,499	—	—
Polio myelitis, total	—	—	1	—	1	2
Paralytic	—	—	1	—	1	2
Rubella (German measles)	986	1,288	—	4,529	5,218	—
Streptococcal sore throat & scarlet fever	11,127	12,384	12,023	78,728	80,163	71,323
Tetanus	3	6	4	13	21	24
Tularemia	—	3	4	12	17	31
Typhoid fever	2	4	5	25	38	38
Typhus, tick-borne (Rky. Mt. spotted fever)	—	2	—	3	6	6
Rabies in animals	56	67	67	485	508	506

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	—	Rabies in man:	—
Botulism:	—	Rubella, Congenital Syndrome: La.-1	1
Leptospirosis:	2	Trichinosis: N.Y. Up-State-1	6
Plague:	—	Typhus, murine:	2
Psittacosis: Cal.-1	5		

*Delayed Report: Texas 1 case 1967.

Figure 1
MORTALITY IN 122 UNITED STATES CITIES

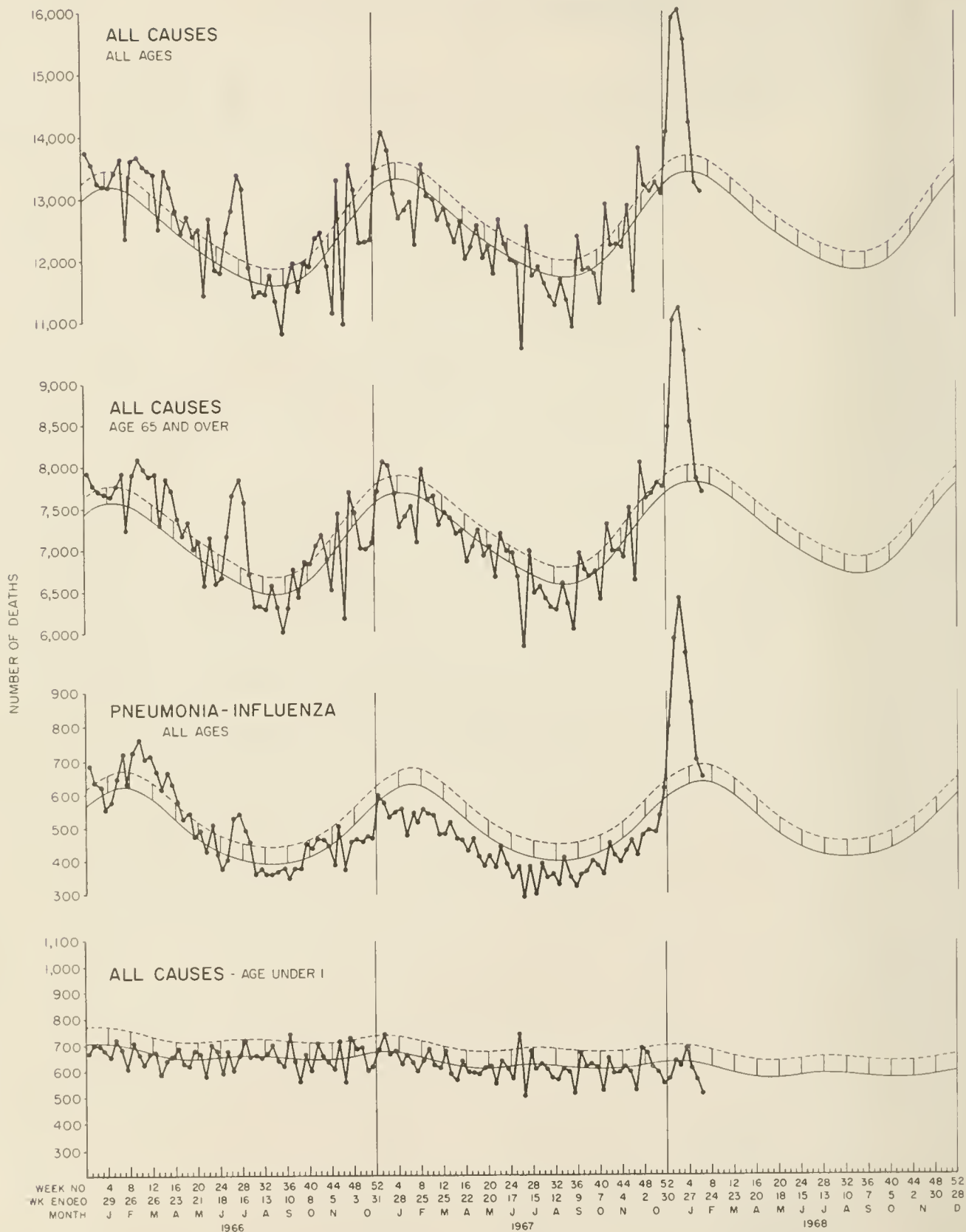
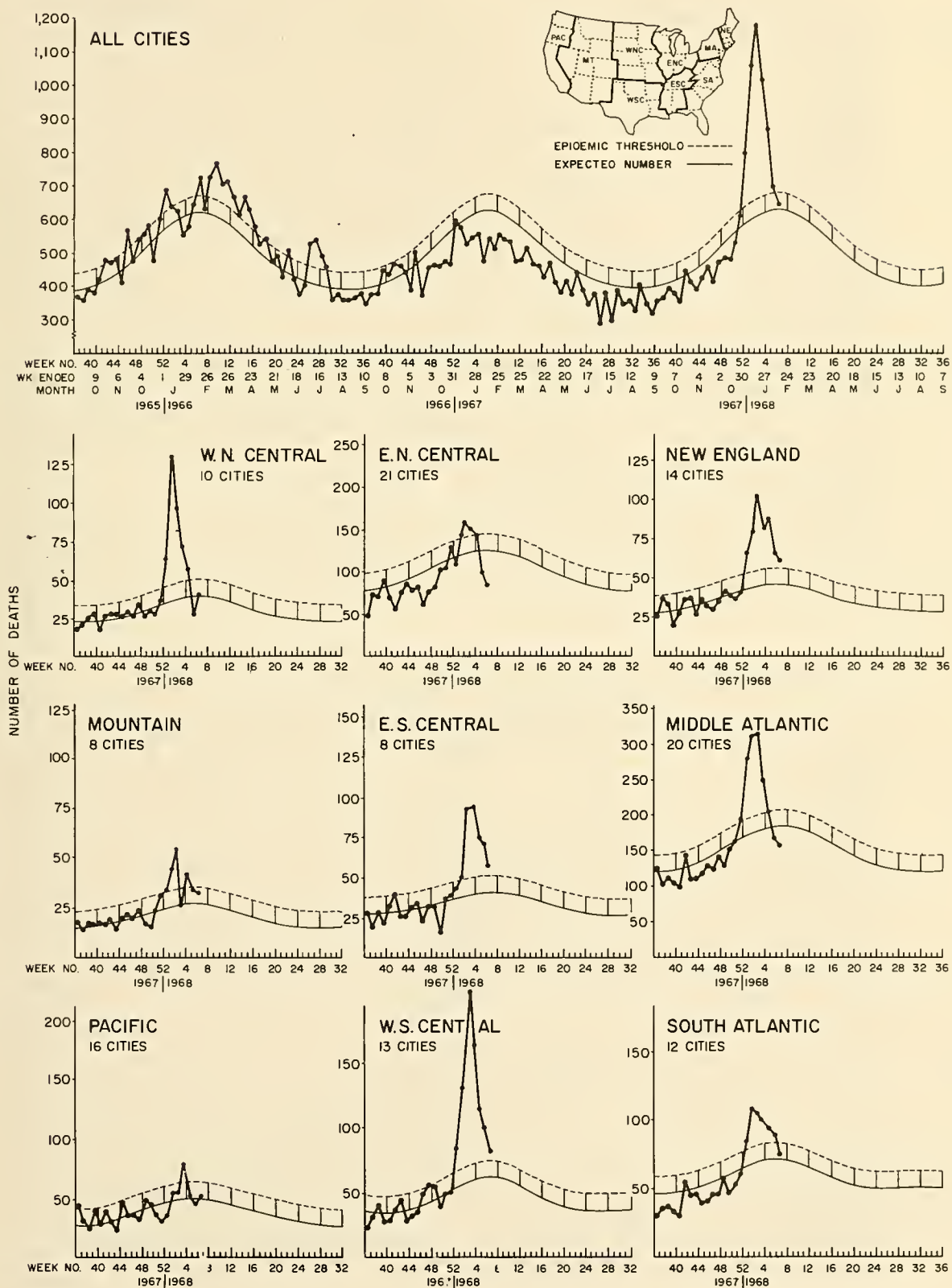


Figure 2
PNEUMONIA-INFLUENZA DEATHS IN 122 UNITED STATES CITIES
1967-1968



SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS

CASES OF PRIMARY AND SECONDARY SYPHILIS: BY REPORTING AREAS DECEMBER 1967 and DECEMBER 1966 - PROVISIONAL DATA

Reporting Area	December		Cumulative January-December		Reporting Area	December		Cumulative January-December	
	1967	1966	1967	1966		1967	1966	1967	1966
NEW ENGLAND.....	38	27	361	454	EAST SOUTH CENTRAL.....	119	143	1,715	2,189
Maine.....	-	-	7	3	Kentucky.....	19	13	181	142
New Hampshire.....	-	-	9	14	Tennessee.....	24	31	304	305
Vermont.....	2	-	5	3	Alabama.....	50	71	882	1,233
Massachusetts.....	22	22	210	304	Mississippi.....	26	28	348	509
Rhode Island.....	4	-	35	26	WEST SOUTH CENTRAL.....	256	216	3,204	2,772
Connecticut.....	10	5	95	104	Arkansas.....	9	8	130	151
MIDDLE ATLANTIC.....	305	308	3,599	3,998	Louisiana.....	60	38	672	632
Upstate New York.....	19	25	300	373	Oklahoma.....	5	8	111	137
New York City.....	160	189	2,094	2,455	Texas.....	182	162	2,291	1,852
Pa. (Excl. Phila.).....	31	13	266	194	MOUNTAIN.....	25	52	563	478
Philadelphia.....	34	29	337	272	Montana.....	3	1	8	29
New Jersey.....	61	52	602	704	Idaho.....	1	5	17	21
EAST NORTH CENTRAL.....	284	311	3,262	3,279	Wyoming.....	1	1	14	2
Ohio.....	59	93	639	680	Colorado.....	3	2	60	48
Indiana.....	28	3	202	89	New Mexico.....	6	22	172	125
Downstate Illinois.....	13	24	149	181	Arizona.....	11	17	261	216
Chicago.....	82	73	988	1,026	Utah.....	-	-	8	12
Michigan.....	102	116	1,259	1,212	Nevada.....	-	4	23	25
Wisconsin.....	-	2	25	91	PACIFIC.....	106	135	1,768	1,781
WEST NORTH CENTRAL.....	34	35	382	404	Washington.....	4	4	60	43
Minnesota.....	8	11	63	34	Oregon.....	1	1	42	45
Iowa.....	5	4	45	73	California.....	101	128	1,655	1,655
Missouri.....	16	9	143	145	Alaska.....	-	-	3	12
North Dakota.....	-	-	4	4	Hawaii.....	-	2	8	26
South Dakota.....	2	6	37	37	U. S. TOTAL.....	1,659	1,675	21,139	21,414
Nebraska.....	2	3	38	51	TERRITORIES.....	91	59	974	969
Kansas.....	1	2	52	60	Puerto Rico.....	90	59	934	942
SOUTH ATLANTIC.....	492	448	6,285	6,059	Virgin Islands.....	1	-	40	27
Delaware.....	4	5	71	54	Note: Cumulative Totals include revised and delayed reports through previous months.				
Maryland.....	43	43	609	557					
District of Columbia.....	63	30	864	488					
Virginia.....	23	23	293	313					
West Virginia.....	1	3	23	72					
North Carolina.....	41	56	747	796					
South Carolina.....	41	68	777	875					
Georgia.....	76	77	968	1,013					
Florida.....	200	143	1,933	1,891					

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Areas January 1968 and January 1967 - Provisional Data

Reporting Area	January		Cumulative January		Reporting Area	January		Cumulative January	
	1968	1967	1968	1967		1968	1967	1968	1967
NEW ENGLAND.....	23	33	23	33	EAST SOUTH CENTRAL.....	112	159	112	159
Maine.....	-	-	-	-	Kentucky.....	13	9	13	9
New Hampshire.....	-	1	-	1	Tennessee.....	22	24	22	24
Vermont.....	-	2	-	2	Alabama.....	51	103	51	103
Massachusetts.....	14	19	14	19	Mississippi.....	26	23	26	23
Rhode Island.....	-	2	-	2	WEST SOUTH CENTRAL.....	268	261	268	261
Connecticut.....	9	9	9	9	Arkansas.....	10	11	10	11
MIDDLE ATLANTIC.....	269	326	269	326	Louisiana.....	62	42	62	42
Upstate New York.....	15	22	15	22	Oklahoma.....	6	16	6	16
New York City.....	162	181	162	181	Texas.....	190	192	190	192
Pa. (Excl. Phila.).....	22	40	22	40	MOUNTAIN.....	35	57	35	57
Philadelphia.....	27	20	27	20	Montana.....	1	-	1	-
New Jersey.....	43	63	43	63	Idaho.....	-	3	-	3
EAST NORTH CENTRAL.....	268	246	268	246	Wyoming.....	-	-	-	-
Ohio.....	33	50	33	50	Colorado.....	1	10	1	10
Indiana.....	19	5	19	5	New Mexico.....	10	17	10	17
Downstate Illinois.....	20	12	20	12	Arizona.....	20	27	20	27
Chicago.....	102	76	102	76	Utah.....	-	-	-	-
Michigan.....	94	99	92	99	Nevada.....	3	-	3	-
Wisconsin.....	-	4	-	4	PACIFIC.....	114	155	114	155
WEST NORTH CENTRAL.....	15	26	15	26	Washington.....	4	4	4	4
Minnesota.....	-	2	-	2	Oregon.....	1	4	1	4
Iowa.....	-	3	-	3	California.....	108	144	108	144
Missouri.....	7	8	7	8	Alaska.....	-	1	-	1
North Dakota.....	-	-	-	-	Hawaii.....	1	2	1	2
South Dakota.....	1	5	1	5	U. S. TOTAL.....	1,556	1,768	1,556	1,768
Nebraska.....	6	3	6	3	TERRITORIES.....	67	50	67	50
Kansas.....	1	5	1	5	Puerto Rico.....	59	48	59	48
SOUTH ATLANTIC.....	452	505	452	505	Virgin Islands.....	8	2	8	2
Delaware.....	-	4	-	4	Note: Cumulative Totals include revised and delayed reports through previous months.				
Maryland.....	47	66	47	44					
District of Columbia.....	79	47	79	47					
Virginia.....	16	24	16	24					
West Virginia.....	-	2	-	2					
North Carolina.....	52	67	52	67					
South Carolina.....	48	75	48	75					
Georgia.....	71	86	71	86					
Florida.....	139	134	139	134					

CURRENT TRENDS MEASLES - California

In another step towards national eradication of measles, the California State Department of Public Health, in cooperation with local health departments and private physicians, conducted intensified measles immunization campaigns in various California counties during 1966 and 1967. The effect of these activities, supported in part by funds granted under the Immunization Assistance Act, is seen in the state's markedly reduced number of reported measles cases for 1967 (Table 1). While accounting for 53 percent of California's 1960 population, those counties, conducting intensive measles immunization campaigns (Table 2), reported less than 25 percent of the state's total measles cases for 1967. Figure 3 shows the reported number of measles cases by week for California's "measles year" 1965-66, 1966-67, and 1967-68.

During those 15 years prior to 1963 and introduction of measles vaccine, the measles cases reported from California varied from a high of 69,000 in 1955 to a low of 16,500 in 1950. This wide variation in annual case reports is most likely a reflection of the cyclical nature of the disease. During 9 of the 15 pre-vaccine years, 40,000 or more cases were reported.

In 1967, only 5,279 cases of measles were reported in the state. This is the lowest number of cases reported since 1929 when 4,420 cases were reported. The population of California in 1929 was 5,531,000, and the present population is estimated at 19,743,000; therefore, the reported case rates for 1929 and 1967 are 80 and 27 per 100,000 population, respectively.

Table 1
Reported Cases of Measles in California
1963 - 1967

Year	Number Measles Cases Reported
1963	23,060
1964	34,310
1965	13,890
1966	15,255
1967	5,279

Table 2
California Counties* Conducting Intensive Measles
Immunization Campaigns During 1966 and 1967

City of Berkeley	Placer	Siskiyou
El Dorado	Plumas	Sutter-Yuba
Imperial	Sacramento	Tehama
Kings	San Diego	Trinity
Los Angeles	San Luis Obispo	Tuolumne
Mariposa	Santa Cruz	Yolo
Nevada		

*Includes the City of Berkeley

(Reported by Philip K. Condit, M.D., Chief, Communicable Diseases, and Mary J. Trudeau, M.D., Head, California Immunization Project, California State Department of Public Health.)

Figure 3
MEASLES BY WEEK OF REPORT - CALIFORNIA
1965-66, 1966-67, AND 1967-68



MEASLES - New York City

In New York City during the 5-month period starting in September 1967 and continuing through January 1968 of the current measles year*, 117 cases of measles were reported. This is a 95 percent reduction from the 3,430 cases reported during the comparable 5-month period of the preceding high measles year (September 1965 through January 1966).

A steady reduction in the number of measles cases reported has been noted during comparable high and low measles years since 1961 (Table 3).

*Measles year for New York City begins in September of the calendar year and continues through August of the succeeding year.

Table 3
Comparison of High and Low Measles Years
1961 - 1967

High Measles Years	No. of Cases	Low Measles Years	No. of Cases
Sept. 1961-Aug. 1962	30,875	Sept. 1962-Aug. 1963	5,868
Sept. 1963-Aug. 1964	17,081	Sept. 1964-Aug. 1965	2,636
Sept. 1965-Aug. 1966	10,070	Sept. 1966-Aug. 1967	563

(Reported by Mr. Louis Pincus, Assistant Director, Bureau of Records and Statistics, and Vincent Guinee, M.D., Director, Bureau of Preventable Diseases, New York City Department of Health; and an EIS Officer.)

TRENDS IN MENINGOCOCCAL DISEASE - 1968

Meningococcal infections continue to be reported with greater frequency in early weeks of 1968 than for corresponding weeks in 1967. Through the seventh week of 1968, a total of 574 cases has been reported to the NCDC. This represents an increase of 29 percent when compared to the 407 cases reported through the seventh week in 1967 (Table 4). Of the 574 cases, 95 percent were civilian. The South Atlantic and West South Central geographic divisions account for over 40 percent of the cases.

(Reported by Bacterial Diseases Section, NCDC.)

Table 4
Meningococcal Infections
First 7 Weeks, 1967 and 1968

Week Number	1967			1968		
	Civilian	Military	Total	Civilian	Military	Total
1	41	1	42	39	1	40
2	68	8	76	67	0	67
3	68	5	73	82	3	85
4	41	3	44	89	10	99
5	47	4	51	111	10	121
6	55	3	58	81	1	82
7	61	2	63	76	4	80
	381	26	407	545	29	574

EPIDEMIOLOGIC NOTES AND REPORTS ASEPTIC MENINGITIS - Oahu, Hawaii

An epidemic of aseptic meningitis with 174 cases and no deaths occurred from January to September 1967 on the island of Oahu, Hawaii. Spread occurred throughout Oahu by contiguous areas. Of the 174 cases, 71 (41 percent) occurred during May and June (Figure 4).

From 95 of the 174 patients, one or more specimens (throat swabs, rectal swabs, spinal fluid, or paired sera) were obtained; in 37 cases a virus was isolated from at least one of these specimens (Table 5 and 6). An additional 23 cases showed a fourfold or greater rise in antibody titer, although no virus was isolated. Of these 60 cases identified by virus isolation or antibody rise, 44 were associated with ECHO 9', a variant of ECHO virus Type 9. Another five cases were associated with ECHO virus Type 6, one with ECHO virus Type 4, two with Coxsackie virus, and eight with mumps virus. Although the ECHO

Figure 4
ASEPTIC MENINGITIS
OAHU, HAWAII
JANUARY-SEPTEMBER 1967

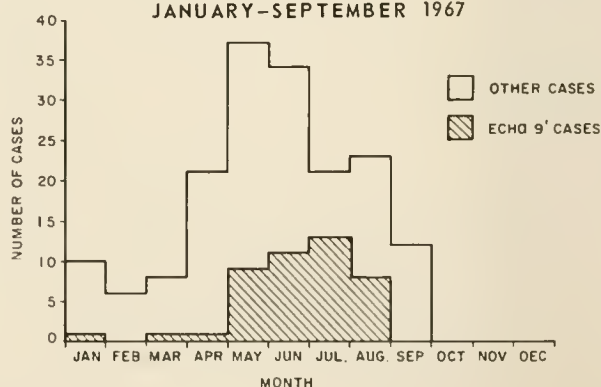


Table 5
Cases by Type of Virus

Category	Total	Virus Isolated	Antibody Rise Only
Number of Cases	174		
Cases from whom Specimens obtained	98		
Cases by Type of Virus:			
ECHO 9	44	32	12
ECHO 6	5	4	1
ECHO 4	1	0	1
Coxsackie A	1	1	0
Coxsackie B	1	0	1
Mumps	8	0	8
All Viruses	60	37	23

Table 6
Identification of Virus by Source of Specimen

Source of Specimen	CSF*	Throat	Rectal	Paired Sera
Specimens submitted	65	71	69	37
Positive for:				
ECHO 9	14	18	18	23
ECHO 6	2	0	3	1
ECHO 4	0	0	0	1
Coxsackie A	0	0	1	0
Coxsackie B	0	0	0	1
Mumps	0	0	0	8
All Viruses	16	18	22	34

* Cerebral Spinal Fluid

virus Type 9' has not been previously identified in Hawaii, it has been described in other epidemics.

Clinical data were obtained from hospital records for 40 of the 44 cases associated with ECHO virus Type 9'. Of these 40 patients, 38 had aseptic meningitis; two had fever and exanthem without meningeal signs, but lumbar punctures were not performed. The median duration of symptoms prior to hospital admission was 24 hours, with a range up to 7 days. The illness often began with vague respiratory or gastrointestinal symptoms of mild diarrhea

or abdominal pain which lasted for 1 to 5 days. In most cases, the first distinctive symptoms then occurred — simultaneous fever, headache, vomiting, and mild nuchal stiffness lasting 1 to 2 days with symptoms tapering off over 3 to 8 days. The triad of headache, vomiting, and fever were consistent and dependable for diagnosis. In infants too young to complain of headache, lethargy was common. No deaths or neurologic complications occurred. Approximately 21 of the 44 patients with laboratory evidence of infection with ECHO virus 9' gave a history of other family members with meningitis and significant febrile illness.

Analysis of ages for 168 of the 174 patients showed that 38 patients were age 1 year or less; 50 were age 2 to 5 years; 47 were age 6 to 10 years; 30 were age 11 or over. Of the 174 patients, 125 were males (Table 7).

Table 7
Cases per 100,000 Population by Age and Sex

Age in Years	Number of Cases per 100,000 Population	
	Males	Females
1 or less	126	108
2-5	100	43
6-10	106	23
11 or over	9	3

The age and sex distribution of cases in this epidemic is characteristic of ECHO 9 epidemics reported elsewhere. The prolonged duration of the epidemic, frequent occurrence of family illness, and extension to contiguous geographic areas, are consistent with the direct contact transmission pattern of other epidemics of aseptic meningitis.

(Reported by A. Osher, M.D., Chief Resident, Kapiolani Children's Hospital, Honolulu, Hawaii; A. Oda, B.S., Virology Laboratory and I. D. Hirschy, M.D., Executive Officer, Division of Communicable Disease, Hawaii Department of Health; R. V. Platou, M.D., Professor of Pediatrics, University of Hawaii Medical School; and an EIS Officer.)

INTERNATIONAL NOTES QUARANTINE MEASURES

Additional Immunization Information for International Travel — 1967-68 edition — Public Health Service Publication No. 384

The following information should be added to the list of Yellow Fever Vaccination Centers in Section 6:

Page 85

Under New Haven, Connecticut, Clinic Hours.

Delete: Second and Fourth Tuesday, 11 a.m., by appointment only

Insert: Second and fourth Thursday

(Continued on page 68)

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED
FEBRUARY 17, 1968 AND FEBRUARY 18, 1967 (7th WEEK)

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			MALARIA
					Primary including unsp. cases		Post- Infectious	Serum	Infectious		
	1968	1967			1968	1967	1968	1968	1968	1967	
UNITED STATES...	28	27	1	-	17	20	8	60	810	866	29
NEW ENGLAND.....	-	2	-	-	3	1	1	1	33	44	-
Maine.....	-	-	-	-	-	-	-	-	*6	3	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	1	-
Massachusetts.....	-	1	-	-	3	-	1	-	17	19	-
Rhode Island.....	-	-	-	-	-	1	-	-	1	4	-
Connecticut.....	-	1	-	-	-	-	-	1	9	17	-
MIDDLE ATLANTIC.....	3	1	-	-	4	2	1	19	91	106	11
New York City.....	1	-	-	-	2	-	-	12	30	35	1
New York, up-State.....	1	-	-	-	-	1	-	*5	22	18	*6
New Jersey.....	1	-	-	-	1	-	-	2	15	29	-
Pennsylvania.....	-	1	-	-	1	1	1	-	24	24	4
EAST NORTH CENTRAL...	2	2	1	-	5	10	2	3	125	142	1
Ohio.....	-	1	-	-	3	7	-	-	38	25	-
Indiana.....	-	-	1	-	-	1	-	-	2	13	-
Illinois.....	-	1	-	-	1	-	1	1	42	50	1
Michigan.....	1	-	-	-	1	1	1	2	35	44	-
Wisconsin.....	1	-	-	-	-	1	-	-	8	10	-
WEST NORTH CENTRAL...	-	-	-	-	-	-	1	3	48	35	3
Minnesota.....	-	-	-	-	-	-	-	2	12	8	-
Iowa.....	-	-	-	-	-	-	1	-	15	6	2
Missouri.....	-	-	-	-	-	-	-	1	9	17	-
North Dakota.....	-	-	-	-	-	-	-	-	2	1	-
South Dakota.....	-	-	-	-	-	-	-	-	3	-	-
Nebraska.....	-	-	-	-	-	-	-	-	2	-	-
Kansas.....	-	-	-	-	-	-	-	-	5	3	1
SOUTH ATLANTIC.....	9	6	-	-	1	2	-	1	95	113	5
Delaware.....	-	2	-	-	-	-	-	-	4	3	-
Maryland.....	7	-	-	-	-	-	-	1	12	33	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	2	1	-
Virginia.....	-	-	-	-	-	-	-	-	6	25	1
West Virginia.....	-	-	-	-	-	-	-	-	11	5	-
North Carolina.....	-	1	-	-	1	-	-	-	6	14	3
South Carolina.....	-	-	-	-	-	-	-	-	2	-	-
Georgia.....	-	-	-	-	-	-	-	-	35	16	1
Florida.....	2	3	-	-	-	2	-	-	17	16	-
EAST SOUTH CENTRAL...	6	4	-	-	-	2	-	-	92	84	1
Kentucky.....	1	2	-	-	-	-	-	-	49	39	1
Tennessee.....	2	1	-	-	-	2	-	-	22	20	-
Alabama.....	1	-	-	-	-	-	-	-	9	11	-
Mississippi.....	2	1	-	-	-	-	-	-	12	14	-
WEST SOUTH CENTRAL...	2	2	-	-	-	1	-	2	80	116	-
Arkansas.....	-	-	-	-	-	-	-	-	-	15	-
Louisiana.....	-	1	-	-	-	-	-	-	15	5	-
Oklahoma.....	-	1	-	-	-	1	-	-	12	3	-
Texas.....	2	-	-	-	-	-	-	-	53	93	-
MOUNTAIN.....	-	1	-	-	-	-	-	-	46	62	-
Montana.....	-	-	-	-	-	-	-	-	8	4	-
Idaho.....	-	-	-	-	-	-	-	-	3	8	-
Wyoming.....	-	-	-	-	-	-	-	-	-	2	-
Colorado.....	-	-	-	-	-	-	-	-	19	13	-
New Mexico.....	-	-	-	-	-	-	-	-	3	12	-
Arizona.....	-	1	-	-	-	-	-	-	7	11	-
Utah.....	-	-	-	-	-	-	-	-	6	10	-
Nevada.....	-	-	-	-	-	-	-	-	-	2	-
PACIFIC.....	6	9	-	-	4	2	3	31	200	164	8
Washington.....	-	4	-	-	-	2	-	-	9	7	2
Oregon.....	1	-	-	-	1	-	-	-	7	22	-
California.....	5	5	-	-	3	-	3	31	182	133	2
Alaska.....	-	-	-	-	-	-	-	-	2	1	-
Hawaii.....	-	-	-	-	-	-	-	-	-	1	4
Puerto Rico.....	3	3	-	-	-	-	-	-	7	35	-

* Delayed Reports: Hepatitis Serum: N.Y. Up-State 1 case 1966, 1 case 1967
Hepatitis Infectious: Maine 6
Malaria: N.Y. Up-State 1 case 1966, 1 case 1967

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
FEBRUARY 17, 1968 AND FEBRUARY 18, 1967 (7th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS	POLIOMYELITIS			RUBELLA
	1968	Cumulative		1968	Cumulative		1968	Total	Paralytic		1968
		1968	1967		1968	1967		1968	1968	Cum. 1968	
UNITED STATES...	537	3,539	13,292	80	574	410	4,836	-	-	-	986
NEW ENGLAND.....	16	152	174	2	30	13	883	-	-	-	189
Maine.....	-	7	8	-	2	1	*38	-	-	-	*6
New Hampshire.....	1	16	48	-	2	-	19	-	-	-	5
Vermont.....	-	5	16	-	1	-	67	-	-	-	-
Massachusetts.....	12	83	64	1	13	5	418	-	-	-	77
Rhode Island.....	-	1	20	-	2	-	*132	-	-	-	18
Connecticut.....	3	40	18	1	10	7	209	-	-	-	83
MIDDLE ATLANTIC.....	91	427	506	14	73	55	195	-	-	-	165
New York City.....	14	69	68	5	17	10	69	-	-	-	49
New York, Up-State.....	45	232	121	-	4	18	NN	-	-	-	12
New Jersey.....	24	83	145	4	23	20	126	-	-	-	102
Pennsylvania.....	8	43	172	5	29	7	NN	-	-	-	2
EAST NORTH CENTRAL...	145	976	1,149	9	61	40	1,302	-	-	-	179
Ohio.....	3	91	163	1	15	13	33	-	-	-	18
Indiana.....	4	117	156	-	9	5	51	-	-	-	7
Illinois.....	79	475	130	3	11	8	241	-	-	-	30
Michigan.....	11	61	255	4	20	10	424	-	-	-	55
Wisconsin.....	48	232	445	1	6	4	553	-	-	-	69
WEST NORTH CENTRAL...	21	96	470	2	28	21	614	-	-	-	83
Minnesota.....	2	2	17	-	5	5	33	-	-	-	10
Iowa.....	5	33	106	-	2	2	491	-	-	-	51
Missouri.....	-	4	15	-	4	5	4	-	-	-	-
North Dakota.....	11	38	229	-	1	-	29	-	-	-	4
South Dakota.....	-	3	15	-	3	3	NN	-	-	-	-
Nebraska.....	-	9	88	-	1	5	17	-	-	-	-
Kansas.....	3	7	NN	2	12	1	40	-	-	-	18
SOUTH ATLANTIC.....	46	277	1,357	17	130	80	293	-	-	-	86
Delaware.....	-	-	13	-	-	4	18	-	-	-	-
Maryland.....	8	20	26	2	9	11	22	-	-	-	7
Dist. of Columbia..	-	4	4	-	3	-	13	-	-	-	-
Virginia.....	2	42	342	2	12	9	60	-	-	-	64
West Virginia.....	7	71	334	-	3	10	97	-	-	-	15
North Carolina.....	9	33	295	3	28	15	NN	-	-	-	-
South Carolina.....	5	12	12	3	22	4	7	-	-	-	-
Georgia.....	-	2	9	3	17	10	-	-	-	-	-
Florida.....	15	93	322	4	36	17	76	-	-	-	-
EAST SOUTH CENTRAL...	13	69	1,645	10	44	41	162	-	-	-	40
Kentucky.....	10	25	556	4	12	13	-	-	-	-	15
Tennessee.....	-	15	583	2	14	19	120	-	-	-	25
Alabama.....	1	15	298	3	7	4	24	-	-	-	-
Mississippi.....	2	14	208	1	11	5	18	-	-	-	-
WEST SOUTH CENTRAL...	133	818	4,614	16	143	72	360	-	-	-	51
Arkansas.....	-	-	875	3	7	1	2	-	-	-	-
Louisiana.....	-	1	23	3	36	30	4	-	-	-	4
Oklahoma.....	-	36	1,221	-	24	2	1	-	-	-	-
Texas.....	133	781	2,495	10	76	39	353	-	-	-	47
MOUNTAIN.....	19	139	854	1	6	10	163	-	-	-	48
Montana.....	2	9	153	-	1	-	44	-	-	-	6
Idaho.....	-	6	97	-	2	1	8	-	-	-	-
Wyoming.....	2	24	12	-	-	-	2	-	-	-	-
Colorado.....	3	45	160	1	2	3	41	-	-	-	5
New Mexico.....	7	23	131	-	-	3	17	-	-	-	4
Arizona.....	5	29	151	-	1	1	47	-	-	-	31
Utah.....	-	1	31	-	-	1	4	-	-	-	2
Nevada.....	-	2	119	-	-	1	-	-	-	-	-
PACIFIC.....	53	585	2,523	9	59	78	864	-	-	-	145
Washington.....	20	186	1,396	1	9	2	319	-	-	-	42
Oregon.....	16	148	345	2	5	7	25	-	-	-	17
California.....	16	231	701	5	43	67	483	-	-	-	74
Alaska.....	-	-	55	-	-	2	27	-	-	-	8
Hawaii.....	1	20	26	1	2	-	10	-	-	-	4
Puerto Rico.....	5	42	349	3	3	4	5	-	-	-	-

* Delayed Reports: Mumps: Maine 24, Rhode Island 57
Rubella: Maine 1

Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
FEBRUARY 17, 1968 AND FEBRUARY 18, 1967 (7th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
		1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968
UNITED STATES...	11,127	3	13	-	12	2	25	-	3	56	485
NEW ENGLAND.....	2,023	-	-	-	-	-	2	-	-	-	7
Maine.....	*73	-	-	-	-	-	-	-	-	-	7
New Hampshire.....	1	-	-	-	-	-	-	-	-	-	-
Vermont.....	12	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	312	-	-	-	-	-	1	-	-	-	-
Rhode Island.....	*256	-	-	-	-	-	-	-	-	-	-
Connecticut.....	1,369	-	-	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC.....	368	2	5	-	-	-	5	-	-	-	3
New York City.....	26	2	3	-	-	-	4	-	-	-	-
New York, Up-State.....	282	-	2	-	-	-	1	-	-	-	2
New Jersey.....	NN	-	-	-	-	-	-	-	-	-	-
Pennsylvania.....	60	-	-	-	-	-	-	-	-	-	1
EAST NORTH CENTRAL...	1,247	-	2	-	1	-	4	-	-	2	29
Ohio.....	143	-	-	-	-	-	4	-	-	1	15
Indiana.....	148	-	-	-	-	-	-	-	-	-	6
Illinois.....	333	-	1	-	-	-	-	-	-	1	4
Michigan.....	397	-	1	-	1	-	-	-	-	-	2
Wisconsin.....	226	-	-	-	-	-	-	-	-	-	2
WEST NORTH CENTRAL...	450	-	1	-	4	-	2	-	-	18	95
Minnesota.....	41	-	-	-	-	-	-	-	-	8	25
Iowa.....	123	-	-	-	-	-	-	-	-	1	22
Missouri.....	12	-	1	-	2	-	2	-	-	6	24
North Dakota.....	235	-	-	-	-	-	-	-	-	2	16
South Dakota.....	27	-	-	-	1	-	-	-	-	-	-
Nebraska.....	6	-	-	-	-	-	-	-	-	-	4
Kansas.....	6	-	-	-	1	-	-	-	-	1	4
SOUTH ATLANTIC.....	1,245	1	1	-	3	2	4	-	2	10	58
Delaware.....	10	-	-	-	-	-	-	-	-	-	-
Maryland.....	184	-	-	-	-	-	1	-	-	-	-
Dist. of Columbia..	9	-	-	-	-	-	-	-	-	-	-
Virginia.....	409	1	1	-	-	1	1	-	2	6	32
West Virginia.....	228	-	-	-	-	-	-	-	-	-	6
North Carolina.....	12	-	-	-	2	1	1	-	-	2	2
South Carolina.....	25	-	-	-	-	-	-	-	-	-	-
Georgia.....	27	-	-	-	1	-	1	-	-	1	4
Florida.....	341	-	-	-	-	-	-	-	-	1	14
EAST SOUTH CENTRAL...	1,457	-	1	-	2	-	4	-	1	8	167
Kentucky.....	139	-	-	-	-	-	-	-	-	8	67
Tennessee.....	1,145	-	-	-	2	-	4	-	-	-	92
Alabama.....	103	-	1	-	-	-	-	-	-	-	8
Mississippi.....	70	-	-	-	-	-	-	-	1	-	-
WEST SOUTH CENTRAL...	796	-	1	-	-	-	1	-	-	14	95
Arkansas.....	11	-	-	-	-	-	-	-	-	-	6
Louisiana.....	1	-	-	-	-	-	1	-	-	6	11
Oklahoma.....	28	-	-	-	-	-	-	-	-	-	31
Texas.....	756	-	1	-	-	-	-	-	-	7	47
MOUNTAIN.....	1,598	-	-	-	2	-	-	-	-	1	6
Montana.....	71	-	-	-	-	-	-	-	-	-	-
Idaho.....	161	-	-	-	-	-	-	-	-	-	-
Wyoming.....	*311	-	-	-	-	-	-	-	-	-	-
Colorado.....	545	-	-	-	1	-	-	-	-	-	-
New Mexico.....	241	-	-	-	-	-	-	-	-	-	1
Arizona.....	167	-	-	-	-	-	-	-	-	1	5
Utah.....	102	-	-	-	1	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	1,943	-	2	-	-	-	3	-	-	3	25
Washington.....	514	-	-	-	-	-	-	-	-	-	-
Oregon.....	195	-	-	-	-	-	-	-	-	-	-
California.....	1,098	-	2	-	-	-	3	-	-	3	25
Alaska.....	51	-	-	-	-	-	-	-	-	-	-
Hawaii.....	85	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	9	-	-	-	-	-	-	-	-	-	2

* Delayed Reports: SST: Maine 55, Rhode Island 143, Wyoming 170
Rabies in animals: Wyoming 1 case 1967

Week No.
7

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED FEBRUARY 17, 1968

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
NEW ENGLAND:	775	489	60	26	SOUTH ATLANTIC:	1,278	682	76	64
Boston, Mass.-----	248	153	24	7	Atlanta, Ga.-----	146	63	3	13
Bridgeport, Conn.-----	41	28	4	2	Baltimore, Md.-----	277	158	16	6
Cambridge, Mass.-----	40	26	-	-	Charlotte, N. C.-----	55	19	2	5
Fall River, Mass.-----	30	21	1	-	Jacksonville, Fla.-----	71	41	6	1
Hartford, Conn.-----	51	38	1	3	Miami, Fla.-----	97	42	2	4
Lowell, Mass.-----	41	28	4	3	Norfolk, Va.-----	57	37	2	2
Lynn, Mass.-----	26	15	-	2	Richmond, Va.-----	89	46	4	6
New Bedford, Mass.-----	19	11	2	-	Savannah, Ga.-----	57	28	6	5
New Haven, Conn.-----	63	39	2	5	St. Petersburg, Fla.-----	113	98	7	-
Providence, R. I.-----	64	34	3	-	Tampa, Fla.-----	85	48	14	3
Somerville, Mass.-----	15	10	3	-	Washington, D. C.-----	201	83	14	19
Springfield, Mass.-----	63	39	12	1	Wilmington, Del.-----	30	19	-	-
Waterbury, Conn.-----	19	11	-	2					
Worcester, Mass.-----	55	36	4	1	EAST SOUTH CENTRAL:	653	366	57	41
MIDDLE ATLANTIC:	3,328	1,996	156	138	Birmingham, Ala.-----	98	55	1	5
Albany, N. Y.-----	46	28	3	2	Chattanooga, Tenn.-----	72	42	9	2
Allentown, Pa.-----	33	23	2	-	Knoxville, Tenn.-----	42	28	8	-
Buffalo, N. Y.-----	153	86	7	12	Louisville, Ky.-----	135	89	23	4
Camden, N. J.-----	44	25	3	1	Memphis, Tenn.-----	143	80	11	16
Elizabeth, N. J.-----	38	26	2	-	Mobile, Ala.-----	51	27	-	9
Erie, Pa.-----	53	30	5	1	Montgomery, Ala.-----	43	19	3	2
Jersey City, N. J.-----	64	32	4	8	Nashville, Tenn.-----	69	26	2	3
Newark, N. J.-----	105	53	8	7	WEST SOUTH CENTRAL:	1,346	741	83	84
New York City, N. Y.-----	1,729	1,020	73	58	Austin, Tex.-----	63	37	10	4
Paterson, N. J.-----	41	23	-	2	Baton Rouge, La.-----	43	26	-	2
Philadelphia, Pa.-----	421	254	5	19	Corpus Christi, Tex.-----	34	21	-	5
Pittsburgh, Pa.-----	200	110	8	13	Dallas, Tex.-----	166	88	8	10
Reading, Pa.-----	62	39	8	-	El Paso, Tex.-----	56	29	5	3
Rochester, N. Y.-----	100	78	8	6	Fort Worth, Tex.-----	82	48	1	3
Schenectady, N. Y.-----	33	21	1	-	Houston, Tex.-----	245	115	16	15
Scranton, Pa.-----	39	31	3	2	Little Rock, Ark.-----	54	33	6	2
Syracuse, N. Y.-----	47	33	2	4	New Orleans, La.-----	192	92	9	17
Trenton, N. J.-----	51	38	4	-	Oklahoma City, Okla.-----	101	63	3	3
Utica, N. Y.-----	34	25	5	1	San Antonio, Tex.-----	136	78	7	11
Yonkers, N. Y.-----	35	21	-5	2	Shreveport, La.-----	106	64	10	7
EAST NORTH CENTRAL:	2,828	1,639	84	144	Tulsa, Okla.-----	68	47	8	2
Akron, Ohio-----	70	42	-	4	MOUNTAIN:	511	301	32	22
Canton, Ohio-----	41	26	6	2	Albuquerque, N. Mex.-----	53	33	3	-
Chicago, Ill.-----	829	462	23	43	Colorado Springs, Colo.-----	42	25	10	6
Cincinnati, Ohio-----	183	116	6	11	Denver, Colo.-----	116	67	5	6
Cleveland, Ohio-----	239	131	5	9	Ogden, Utah-----	15	13	3	1
Columbus, Ohio-----	138	83	6	5	Phoenix, Ariz.-----	117	59	2	4
Dayton, Ohio-----	99	60	3	7	Pueblo, Colo.-----	29	18	2	-
Detroit, Mich.-----	365	198	7	20	Salt Lake City, Utah-----	62	34	3	4
Evansville, Ind.-----	43	30	2	-	Tucson, Ariz.-----	77	52	4	1
Flint, Mich.-----	55	29	1	7	PACIFIC:	1,543	936	51	74
Fort Wayne, Ind.-----	49	29	3	2	Berkeley, Calif.-----	24	16	-	2
Gary, Ind.-----	39	24	4	1	Fresno, Calif.-----	56	27	-	4
Grand Rapids, Mich.-----	49	38	2	1	Glendale, Calif.-----	25	18	1	3
Indianapolis, Ind.-----	178	106	1	8	Honolulu, Hawaii-----	57	29	4	3
Madison, Wis.-----	44	22	1	4	Long Beach, Calif.-----	71	53	3	3
Milwaukee, Wis.-----	115	70	2	5	Los Angeles, Calif.-----	389	230	14	18
Peoria, Ill.-----	48	34	1	3	Oakland, Calif.-----	123	76	5	5
Rockford, Ill.-----	29	16	1	3	Pasadena, Calif.-----	37	28	1	-
South Bend, Ind.-----	30	16	4	2	Portland, Oreg.-----	120	80	2	4
Toledo, Ohio-----	125	74	4	4	Sacramento, Calif.-----	72	41	1	5
Youngstown, Ohio-----	60	33	2	3	San Diego, Calif.-----	98	62	1	4
WEST NORTH CENTRAL:	796	508	44	25	San Francisco, Calif.-----	197	102	4	11
Des Moines, Iowa-----	36	21	3	2	San Jose, Calif.-----	38	22	3	3
Duluth, Minn.-----	35	25	1	1	Seattle, Wash.-----	114	68	6	4
Kansas City, Kans.-----	34	17	4	4	Spokane, Wash.-----	61	45	5	2
Kansas City, Mo.-----	145	93	6	2	Tacoma, Wash.-----	61	39	1	3
Lincoln, Nebr.-----	29	23	2	-					
Minneapolis, Minn.-----	107	66	2	3	Total	13,058	7,658	643	618
Omaha, Nebr.-----	81	52	7	3	Cumulative Totals				
St. Louis, Mo.-----	216	119	12	6	including reported corrections for previous weeks				
St. Paul, Minn.-----	71	59	4	2	All Causes, All Ages -----	102,129			
Wichita, Kans.-----	42	33	3	2	All Causes, Age 65 and over-----	61,575			
					Pneumonia and Influenza, All Ages-----	6,257			
					All Causes, Under 1 Year of Age-----	4,339			

QUARANTINE MEASURES

(Continued from page 63)

Page 89

Under New Orleans, Louisiana, Browne-McHardy Clinic

Delete: Gravier Street Division, 630 Gravier Street 70130

Insert: 2223 Carondelet Street 70130

Page 94

Under Oklahoma,

Insert: City - Enid, Oklahoma 73701

Center - Garfield County Health Department

2111 Lahoma Road

Telephone - 233-0650

Clinic Hours - Tuesday, 1 p.m. to 4 p.m.

Fee - No

Page 97

Under Texas,

Insert: City - Houston, Texas

Center - City of Houston Health Department

1115 N. MacGregor

Telephone - 222-4201

Clinic Hours - Tuesday

Fee - No

Page 97

Under Texas,

Insert: City - Houston, Texas

Center - Harris County Health Department

Clinic Hours - Monday and Friday, 2 p.m., by appointment

Fee - Yes

Page 97

Under Dallas, Texas, Clinic Hours, and under fee

Delete: Friday, 1 p.m. to 4 p.m.

Insert: Tuesday and Friday, 1 p.m. to 4 p.m.

Delete: No

Insert: Yes

Page 98

Under Texas,

Insert: City - San Antonio, Texas

Center - Minter Clinic

1702 Nix Professional Building

414 Navarro Street

Telephone - CA 2 - 1317

Clinic Hours - By appointment only

Fee - Yes

Page 98

Under Seattle, Washington, Clinic Hours

Delete: Wednesday, 10 a.m. to 11 a.m.

Insert: Friday, 2:30 p.m. to 3 p.m.

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 17,000, IS PUBLISHED AT THE NATIONAL COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

DIRECTOR, NATIONAL COMMUNICABLE DISEASE CENTER

CHIEF, EPIDEMIOLOGY PROGRAM

ACTING CHIEF, STATISTICS SECTION

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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE NATIONAL COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

NATIONAL COMMUNICABLE DISEASE CENTER

ATLANTA, GEORGIA 30333

ATTN: THE EDITOR

MORBIDITY AND MORTALITY WEEKLY REPORT

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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